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(54) **DEVICE-TO-DEVICE COMMUNICATON**

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(57) **ABSTRACT**

There is provided an improved solution for performing beacon broadcasting in a device-to-device communication network. The solution comprises selecting, by a node capable of entering a device-to-device communication network, a channel for broadcasting wherein the selection is based on at least one of the following: the characteristics of the node and the state of the node; and causing a broadcast of information related to at least part of the properties of the node on the selected channel.